Access DB# 214369

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Betelhem Shewareged Examiner #: 75633 Date: 01/30/2007
Art Unit: 1774 Phone Number 2-1529 Serial Number: 10/806,618
Mail Box and Bldg/Room Location: REM 10A65 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

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Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: Interior Ornament & Indicator Panel for Vehicle

Inventors (please provide full names): Tetsuto Miyanishi ; Tetsuji Ohta

Earliest Priority Filing Date: 03/26/2003

**For Sequence Searches Only* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

(1) Ink-acceptance layer comprising 5-benzotriazole carboxylate.

(2) Ink-acceptance layer comprising benzotriazole-5-carboxylate.

(3) Ink-acceptance layer comprising
1-alkyloylbenzotriazole where a carbon number of alkyloyl group is from 8 to 24.

(4) Ink-acceptance layer comprising
1-alkenoylbenzotriazole where a carbon number of alkenoyl group is from 8 to 24, and

(5) Ink-acceptance layer comprising
benzotriazole series compounds having a constitutional unit of polyalkylene glycol; and

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STAFF USE ONLY	Type of Search		Vendors and cost where applicable
Searcher: Esf	NA Sequence (#)		STN
Searcher Phone #:	AA Sequence (#)		Dialog
Searcher Location:	Structure (#)		Questel/Orbit
Date Searcher Picked Up:	Bibliographic		Dr.Link
Date Completed: 2-2-07	Litigation		Lexis/Nexis
Searcher Prep & Review Time:	Fulltext		Sequence Systems
Clerical Prep Time:	Patent Family		WWW/Internet
Online Time:	Other		Other (specify)

PTO-1590 (8-01)

What is claimed is:

1. An interior ornament for a vehicle comprising:

a base substrate;

an ink-acceptance layer coated on at least one surface of the base substrate, the ink-acceptance layer including from 7 weight % to 15 weight % of one or more benzotriazole series compounds,

wherein the benzotriazole series compounds are selected from the group of,

phenyl-5-benzotriazole carboxylate,

methyl-5-benzotriazole carboxylate,

phenyl-1-{4-hydroxy-3-[N-(2-tetradecyloxyphenyl) carbamoyl]-1-naphthyloxymethyl}-1H-benzotriazole-5-carboxylate,

phenyl-1-{4-hydroxy-3-[N-(2-tetradecyloxyphenyl) carbamoyl]-1-naphthyloxymethyl}-1H-benzotriazole-6-carboxylate,

5-benzotriazole carboxylate,

benzotriazole-5-carboxylate,

1-alkyloylbenzotriazole where a carbon number of alkyloyl group is from 8 to 24,

1-alkenoylbenzotriazole where a carbon number of alkenoyl group is from 8 to 24, and

benzotriazole series compounds having a constitutional unit of polyalkylene glycol; ~~and~~

a printed layer printed on the ink-acceptance layer.

2. The interior ornament of claim 1, wherein:

a content of the benzotriazole series compounds to the ink-acceptance layer is from 9 weight % to 13 weight %.

3. The interior ornament of claim 1, wherein:

the printed layer is printed by an ink-jet printing method.

4. An indicator panel for a vehicle comprising:

a base substrate having transparency;

an ink-acceptance layer coated on at least one surface of the base substrate , the ink-acceptance layer including from 7 weight % to 15 weight % of one or more benzotriazole series compounds,

wherein the benzotriazole series compounds are selected from the group of,

phenyl-5-benzotriazole carboxylate,

methyl-5-benzotriazole carboxylate,

phenyl-1-{4-hydroxy-3-[N-(2-tetradecyloxyphenyl) carbamoyl]-1-naphthyloxymethyl}-1H-benzotriazole-5-carboxylate,

phenyl-1-{4-hydroxy-3-[N-(2-tetradecyloxyphenyl) carbamoyl]-1-naphthyloxymethyl}-1H-benzotriazole-6-carboxylate,

5-benzotriazole carboxylate,

benzotriazole-5-carboxylate,

1-alkyloylbenzotriazole where a carbon number of alkyloyl group is from 8 to 24,

1-alkenoylbenzotriazole where a carbon number of alkenoyl group is from 8 to 24, and

benzotriazole series compounds having a

constitutional unit of polyalkylene glycol; and

a printed layer printed on the ink-acceptance layer.

5. The indicator panel of claim 4, wherein:

a content of the benzotriazole series compounds to the ink-acceptance layer is from 9 weight % to 13 weight %.

6. The indicator panel of claim 4, wherein:

the printed layer is printed by an ink-jet printing method.

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Bib Data Sheet

CONFIRMATION NO. 2620

SERIAL NUMBER	FILING OR 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
10/806,618	03/23/2004 RULE	428	1774	44471/298746

APPLICANTS

Tetsuto Miyanishi, Kitakatsushika-gun, JAPAN;
Tetsuji Ohta, Saitama-shi, JAPAN;

**** CONTINUING DATA ***************************

**** FOREIGN APPLICATIONS *********************

JAPAN P2003-085438 03/26/2003

IF REQUIRED, FOREIGN FILING LICENSE GRANTED
** 06/10/2004

Foreign Priority claimed	35 USC 119 (a-d) conditions met	Verified and Acknowledged	STATE OR COUNTRY	SHEETS DRAWING	TOTAL CLAIMS	INDEPENDENT CLAIMS
☐ yes ☐ no	☐ yes ☐ no ☐ Met after Allowance	Examiner's Signature Initials	JAPAN	3	6	2

ADDRESS
23370

TITLE

Interior ornament and indicator panel for vehicle

FILING FEE RECEIVED		
900	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:	☐ All Fees ☐ 1.16 Fees (Filing) ☐ 1.17 Fees (Processing Ext. of time) ☐ 1.18 Fees (Issue) ☐ Other _____ ☐ Credit

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FILE 'REGISTRY' ENTERED AT 12:06:11 ON 02 FEB 2007
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     FILE 'LREGISTRY' ENTERED AT 11:22:13 ON 02 FEB 2007
L1                STR
                  E C7H5N3O2
L2             12 S E3

     FILE 'REGISTRY' ENTERED AT 11:31:23 ON 02 FEB 2007
                  E C7H5N3O2
L3            403 S E3
L4             66 S L3 AND ?CARBOXYL?/CNS
                  E 1H-BENZOTRIAZOLECARBOXYLIC ACID/CN
L5              1 S E3
                  E 1H-BENZOTRIAZOLE-5-CARBOXYLIC ACID/CN
L6              1 S E3

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L7            109 S L5
L8            214 S L6
L9          84149 S INK?
L10         24295 S JET?(2A)PRINT?
L11             6 S L7 AND (L9 OR L10)
L12             4 S L8 AND (L9 OR L10)
L13        186569 S AUTOMOTIV? OR AUTOMOB? OR VEHICUL? OR VEHICLE? OR (DASH
L14           682 S INK?(2A)ACCEPT?
L15             2 S L7 AND (L13 OR L14)
L16             2 S L8 AND (L13 OR L14)

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L18            73 S L1 FUL
                  SAV L18 SHE618A/A

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L19            64 S L18
L20             0 S L19 AND (L9 OR L10 OR L13 OR L14)

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L23            1 S E5

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L24         3024 S 333.415.18/RID
L25           11 S L24 AND L22
L26            8 S L24 AND L21

     FILE 'HCA' ENTERED AT 12:00:10 ON 02 FEB 2007
L27            9 S L25 OR L26
L28            0 S L27 AND (L9 OR L10 OR L13 OR L14)
L29           14 S L11 OR L12 OR L15 OR L16
L30            9 S L27 NOT L29
L31           64 S L19 NOT (L29 OR L30)

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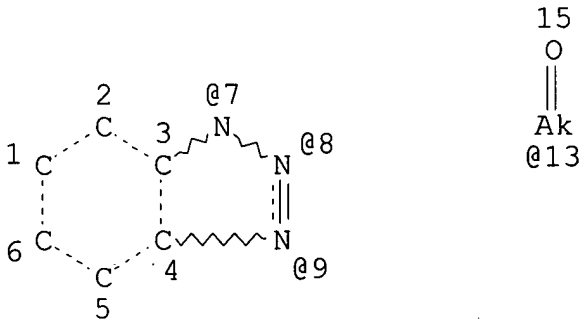


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VPA 13-9/8/7 U
NODE ATTRIBUTES:
CONNECT IS E2  RC AT  13
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED
ECOUNT  IS M6 C  AT  13

GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS  11

STEREO ATTRIBUTES: NONE
L18           73 SEA FILE=REGISTRY SSS FUL L1
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100.0% PROCESSED 65570 ITERATIONS 73 ANSWERS
SEARCH TIME: 00.00.01

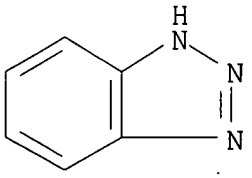
=> FILE HCA
FILE 'HCA' ENTERED AT 12:06:29 ON 02 FEB 2007

=> D L29 1-14 CBIB ABS HITSTR HITIND

L29 ANSWER 1 OF 14 HCA COPYRIGHT 2007 ACS on STN
145:507283 Water-based **ink** for **ink**-jet recording.
Okuda, Satoshi; Koga, Narumi; Goto, Kazuma; Ohira, Hideo; Sugimoto, Junichiro; Fujioka, Masaya; Higashiyama, Shunichi (Brother Kogyo Kabushiki Kaisha, Japan). U.S. Pat. Appl. Publ. US 2006260506 A1 20061123, 6pp. (English). CODEN: USXXCO. APPLICATION: US 2006-435845 20060518. PRIORITY: JP 2005-147756 20050520.

AB A water-based **ink** for **ink**-jet recording includes a reactive dye which forms chloride ions in the **ink**, benzotriazole, carboxybenzotriazole, water, and a water-sol. org. solvent. Examples of the reactive dye which forms chloride ions in the **ink** include triazine-based reactive dyes and the like.

IT **60932-58-3**, Carboxybenzotriazole
(water-based **ink** for **ink**-jet recording)
RN 60932-58-3 HCA
CN 1H-Benzotriazolecarboxylic acid (9CI) (CA INDEX NAME)

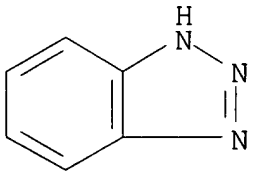


D1—CO_2H

INCL 106031130
CC 42-12 (Coatings, Inks, and Related Products)
ST reactive dye benzotriazole carboxybenzotriazole water **ink** jet recording

IT **Inks**
(**jet-printing**; water-based **ink** for **ink**-jet recording)
IT **Ink-jet printing**
(water-based **ink** for **ink**-jet recording)
IT 7440-02-0, Nickel, uses
(**ink**-jet head; water-based **ink** for **ink**-jet recording)
IT 56-81-5, Glycerin, uses 95-14-7, 1H-Benzotriazole 7732-18-5, Water, uses 9004-82-4, SUNNOL DL-1430 12237-00-2, C.I. Reactive Red 31 29911-27-1, Dipropylene glycol propyl ether **60932-58-3**, Carboxybenzotriazole
(water-based **ink** for **ink**-jet recording)

L29 ANSWER 2 OF 14 HCA COPYRIGHT 2007 ACS on STN
142:230209 Formation of electrically conductive patterns in manufacture of printed circuit boards. Sotomura, Shoichiro (Asahi Kasei Electronics Co., Ltd., Japan). Jpn. Kokai Tokkyo Koho JP 2005051179 A 20050224, 12 pp. (Japanese). CODEN: JKXXAF. APPLICATION: JP 2003-284319 20030731.
AB The process includes steps of: (a) forming resist patterns using photo-sensitive **inks**, (b) plating metals where the resist patterns are absent, and (c) removal of the resist patterns, creating elec. conductive patterns.
IT **60932-58-3**, Carboxybenzotriazole
(photo-sensitive **inks**; formation of elec. conductive patterns using photo-sensitive **inks** in manuf. of printed circuit boards)
RN 60932-58-3 HCA
CN 1H-Benzotriazolecarboxylic acid (9CI) (CA INDEX NAME)



D1—CO_2H

IC ICM H05K003-18
CC 76-2 (Electric Phenomena)
ST elec conductive pattern printed circuit board; resist pattern photo sensitive **ink**
IT Photolithography
Printed circuit boards

(formation of elec. conductive patterns using photo-sensitive **inks** in manuf. of printed circuit boards)

IT Photoresists
(**inks**; formation of elec. conductive patterns using photo-sensitive **inks** in manuf. of printed circuit boards)

IT **Inks**
(photo-sensitive; formation of elec. conductive patterns using photo-sensitive **inks** in manuf. of printed circuit boards)

IT 70-55-3, P-Toluene sulfonamide 90-93-7 548-62-9, Crystal violet 569-64-2, Malachite green 6143-80-2 25035-69-2, Methyl methacrylate-methacrylic acid-butyl acrylate copolymer 25035-81-8, Methyl methacrylate-methacrylic acid-styrene copolymer 25852-49-7, Polypropylene glycol dimethacrylate 28961-43-5, NK ester A-TMPT-3EO 30697-40-6 56744-60-6, NK ester BPE 200 **60932-58-3**, Carboxybenzotriazole 72270-11-2 400051-26-5
(photo-sensitive **inks**; formation of elec. conductive patterns using photo-sensitive **inks** in manuf. of printed circuit boards)

IT 868-77-9, Glycol methacrylate
(propylene-oxide-contg. photo-sensitive **inks**; formation of elec. conductive patterns using photo-sensitive **inks** in manuf. of printed circuit boards)

IT 39420-45-6, Blemmer PP 1000
(reaction products with hexamethylene diisocyanate, photo-sensitive **inks**; formation of elec. conductive patterns using photo-sensitive **inks** in manuf. of printed circuit boards)

IT 822-06-0, Hexamethylene diisocyanate
(reaction products with oligo-propylene glycol mono-methacrylate, photo-sensitive **inks**; formation of elec. conductive patterns using photo-sensitive **inks** in manuf. of printed circuit boards)

L29 ANSWER 3 OF 14 HCA COPYRIGHT 2007 ACS on STN
142:8068 Anticorrosive agent for light metals alloys and use thereof.. Wilken, Ralph; Dieckhoff, Stefan; Seiler, Andreas; Hartwig, Andreas; Kowalik, Thomas (Fraunhofer-Gesellschaft zur Foerderung der Angewandten Forschung e.V., Germany). PCT Int. Appl. WO 2004101692 A1 20041125, 22 pp. DESIGNATED STATES: W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE,

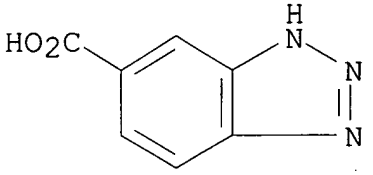
SN, TD, TG, TR. (German). CODEN: PIXXD2. APPLICATION: WO 2004-EP5435 20040519. PRIORITY: DE 2003-10322507 20030519.

AB An anticorrosive agent for Cu-, Fe-, Co- and Ni-contg. light metals alloys consists of a salt of org. base and org. acid (the salt is linked with a polymer and/or admixed to a polymer) and is used in coatings, adhesives, paints and primers in **automobile** and aircraft industry. Thus, surfaces of Al- and Mg-alloys (AA2024, AZ31B and AM50) does not exhibit any corrosion after keeping 14 days in 3% aq. soln. of NaCl in the presence of 0.1% a salt of 1H-benzotriazole and N-methylmorpholine.

IT **23814-12-2**, 5-Carboxybenzotriazole
(org. base; anticorrosive agent for Cu-, Fe-, Co- and Ni-contg. light metals alloys consisting of a salt of org. base and org. acid optionally linked to a polymer)

RN 23814-12-2 HCA

CN 1H-Benzotriazole-5-carboxylic acid (8CI, 9CI) (CA INDEX NAME)



IC ICM C09D005-08
ICS C23F011-14

CC 42-10 (Coatings, Inks, and Related Products)

IT **Automobiles**
(anticorrosive agent for Cu-, Fe-, Co- and Ni-contg. light metals alloys used in cars consisting of a salt of org. base and org. acid optionally linked to a polymer)

IT 96-20-8D, ethers 100-74-3, 4-Ethylmorpholine 102-71-6, Triethanolamine, reactions 109-02-4, N-Methylmorpholine 110-91-8D, Morpholine, derivs. 136-85-6, 5-Methylbenzotriazole 141-43-5D, Aminoethanol, ethers, reactions 156-87-6D, 3-Aminopropanol, ethers 288-88-0, 1H-1,2,4-Triazole 2867-59-6D, 3-Aminobutanol, ethers 6168-72-5D, 2-Aminopropanol, ethers
23814-12-2, 5-Carboxybenzotriazole
(org. base; anticorrosive agent for Cu-, Fe-, Co- and Ni-contg. light metals alloys consisting of a salt of org. base and org. acid optionally linked to a polymer)

L29 ANSWER 4 OF 14 HCA COPYRIGHT 2007 ACS on STN

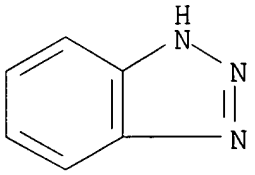
140:81260 Mold remediation system and method. Hobson, David W.; Helton, Danny O.; Seal, Lawton A. (Dh Technologies, L.L.P., USA). U.S. Pat. Appl. Publ. US 2004001777 A1 20040101, 12 pp. (English). CODEN: USXXCO. APPLICATION: US 2002-302696 20021125. PRIORITY: US 2002-370323P 20020405.

AB Provided herein are systems and methods assocd. therewith for killing molds and reducing other contaminating bioburden that may include bacteria and their spores, yeast, and viruses within various dwellings including homes, office buildings, institutions, and any other enclosed space in which humans reside, either temporarily or permanently. The technol. of the invention can be used to treat **vehicles**, airplanes, and ships. A process according to the invention includes the generation of a gaseous oxyhalogen species and distribution of the gaseous oxyhalogen species throughout a selected dwelling. It has been unexpectedly found that the concn. level of gaseous oxyhalogen species necessary to kill molds according to the inventive methods is far below that previously recognized in the art as being necessary for the killing of such molds. Thus, mold infestations may be killed in dwellings with minimal disruption to the usual business of the inhabitants. Further, fabrics such as drapes and upholsteries contained within such dwellings may be carried out without causing any detrimental color changes to the fabrics.

IT **60932-58-3**, Carboxybenzotriazole
(corrosion inhibitor; mold remediation system and method)

RN 60932-58-3 HCA

CN 1H-Benzotriazolecarboxylic acid (9CI) (CA INDEX NAME)



D1—CO_2H

IC ICM A61L009-00
ICS C23F011-00

INCL 422037000; X42-2 3.3; X42-2 .4; X42-2 .7

CC 59-6 (Air Pollution and Industrial Hygiene)
Section cross-reference(s): 40

ST compn remediation mold hypochlorous acid building **vehicle** fabric

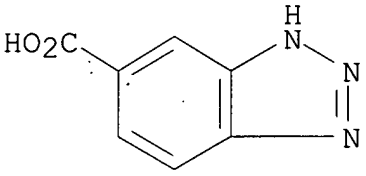
IT 108-01-0, N,N-Dimethylethanolamine 110-91-8, Morpholine, uses 149-30-4, 2-Mercaptobenzothiazole 1072-71-5, 2,5-Dimercapto-1,3,4-thiadiazole 7664-38-2D, Phosphoric acid, dialkali metal salts 29385-43-1, Tolyltriazole **60932-58-3**, Carboxybenzotriazole 64665-53-8, 1H-Benzotriazole, C-methyl-, potassium salt 64665-57-2, Sodium tolyltriazole
(corrosion inhibitor; mold remediation system and method)

L29 ANSWER 5 OF 14 HCA COPYRIGHT 2007 ACS on STN
136:311380 Aqueous **ink** compositions with good in quick-drying property and mild for earth environment. Takao, Nagayuki; Furutani, Takahiro (Japan). U.S. Pat. Appl. Publ. US 2002045679 A1 20020418, 8 pp. (English). CODEN: USXXCO. APPLICATION: US 2001-924679 20010809. PRIORITY: JP 2000-244428 20000811.

AB The compn. having good drying characteristics for impermeable printing materials such as plastic films without using apparatuses such as UV irradn. apparatuses and heating apparatuses and mild for earth environment, comprises water, a water-sol. solvent (e.g., ethanol), a water-sol. resin [e.g., polyvinylpyrrolidone (K 30)] and a dye (e.g., europium-thenoyltrifluoroacetone complex), and, addnl., a quick-drying property imparting agent (e.g., 1,2,3-benzotriazole) having a soly. in the water lower than that in the water-sol. solvent.

IT **23814-12-2**, Benzotriazole-5-carboxylic acid
(quick-drying property imparting agent; aq. **ink** compns. with good in quick-drying property and mild for earth environment)

RN 23814-12-2 HCA
CN 1H-Benzotriazole-5-carboxylic acid (8CI, 9CI) (CA INDEX NAME)



IC ICM C09D005-00
INCL 523161000
CC 42-12 (Coatings, Inks, and Related Products)
ST polyvinylpyrrolidone benzotriazole **ink** aq quick drying
IT Alcohols, uses
(C1-3; aq. **ink** compns. with good in quick-drying property and mild for earth environment)
IT Ethers, uses
Ketones, uses
(aq. **ink** compns. with good in quick-drying property and mild for earth environment)
IT Polyethers, uses
(aq. **ink** compns. with good in quick-drying property and mild for earth environment)
IT Polyurethanes, uses
(aq. **ink** compns. with good in quick-drying property and mild for earth environment)
IT Polymers, uses

(water-sol.; aq. **ink** compns. with good in quick-drying property and mild for earth environment)

IT **Inks**
(water-thinned; aq. **ink** compns. with good in quick-drying property and mild for earth environment)

IT 64-17-5, Ethanol, uses 71-23-8, Propanol, uses
(aq. **ink** compns. with good in quick-drying property and mild for earth environment)

IT 9002-89-5, Polyvinyl alcohol 9003-01-4, Polyacrylic acid 9003-39-8, Polyvinylpyrrolidone
(aq. **ink** compns. with good in quick-drying property and mild for earth environment)

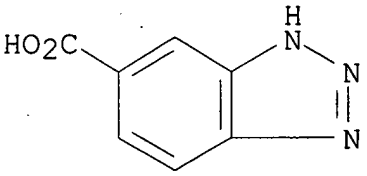
IT 59-49-4, 2-Benzoxazolinone 95-14-7, 1,2,3-Benzotriazole 273-53-0, Benzoxazole 288-42-6D, Oxazole, derivs. 2382-96-9, 2-Mercaptobenzoxazole 18378-20-6 **23814-12-2**, Benzotriazole-5-carboxylic acid 28539-02-8, 1H-Benzotriazole-1-methanol 37306-44-8D, Triazole, derivs. 87022-36-4, N-(1H-Benzotriazol-1-ylmethyl)formamide
(quick-drying property imparting agent; aq. **ink** compns. with good in quick-drying property and mild for earth environment)

L29 ANSWER 6 OF 14 HCA COPYRIGHT 2007 ACS on STN
134:273574 **Ink**-jet recording materials for formation of low-glitter printings with aqueous **inks**. Ota, Satoshi (Kimoto and Co., Ltd., Japan). Jpn. Kokai Tokkyo Koho JP 2001088430 A 20010403, 4 pp. (Japanese). CODEN: JKXXAF. APPLICATION: JP 1999-268549 19990922.

AB The materials comprise **ink** receptor layers contg. water-sol. or hydrophilic polymers and ≥1 benzotriazoles selected from (a) Ph 5-benzotriazolecarboxylate, (b) Me 5-benzotriazolecarboxylate, (c) Ph 1-[4-hydroxy-3-[N-(2-tetradecyloxyphenyl)carbamoyl]-1-naphthyloxymethyl]-1H-benzotriazole-5-carboxylate, (d) Ph 1-[4-hydroxy-3-[N-(2-tetradecyloxyphenyl) carbamoyl]-1-naphthyloxymethyl]-1H-benzotriazole-6-carboxylate, (e) 5-benzotriazolecarboxylic acid (sic), (f) benzotriazole-5-carboxylic acid (sic), (g) 1-C8-24 alkyloylbenzotriazoles, and (h) 1-C8-24 alkenoylbenzotriazoles. Images formed on the sheets are resistant to light.

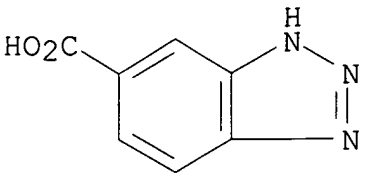
IT **23814-12-2**, 5-Benzotriazole carboxylic acid
(**ink**-jet recording sheets with receptor layers contg. benzotriazole derivs. for formation of light-resistant low glitter printings with aq. **inks**)

RN 23814-12-2 HCA
CN 1H-Benzotriazole-5-carboxylic acid (8CI, 9CI) (CA INDEX NAME)



IC ICM B41M005-00
CC 74-6 (Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes)
ST glitter low image aq **ink** printing; **ink jet printing** sheet low glitter; benzotriazole receptor layer additive **ink** jet sheet
IT **Ink**-jet recording sheets
(**ink**-jet recording sheets with receptor layers contg. benzotriazole derivs. for formation of light-resistant low glitter printings with aq. **inks**)
IT 95-14-7D, 1H-Benzotriazole, 1-C8-24alkyloyl or 1-C8-24alkenoyl derivs. **23814-12-2**, 5-Benzotriazole carboxylic acid 84902-17-0 107091-96-3 113053-50-2, Methyl 5-benzotriazole carboxylate 140130-48-9
(**ink**-jet recording sheets with receptor layers contg. benzotriazole derivs. for formation of light-resistant low glitter printings with aq. **inks**)

L29 ANSWER 7 OF 14 HCA COPYRIGHT 2007 ACS on STN
133:179071 Phase-change **inks**. Breton, Marcel P.; Malhotra, Shadi L.; Wong, Raymond W. (Xerox Corp., USA). U.S. US 6106599 A 20000822, 13 pp. (English). CODEN: USXXAM. APPLICATION: US 1999-342392 19990629.
AB An **ink** compn. comprises (1) an azole compd., (2) a viscosity compd., (3) a lightfastness component, (4) an antioxidant, and (5) a colorant. A black phase-change **ink** contained pyrazole, 2-acetyl pyrrole (viscosity modifier), 2-(2H-benzotriazol-2-yl)-4,6-di-tert-pentyl phenol (UV absorber), sodium-N-(1,2-dicarboxyethyl)-N-octadecyl sulfosuccinamate (antioxidant), and Neozapon Black X51.
IT **23814-12-2**, Benzotriazole-5-carboxylic acid
(phase-change **inks**)
RN 23814-12-2 HCA
CN 1H-Benzotriazole-5-carboxylic acid (8CI, 9CI) (CA INDEX NAME)



IC ICM C09D011-00
INCL 106031290
CC 42-12 (Coatings, Inks, and Related Products)
ST phase change **ink** azole compd
IT Antioxidants
Light stabilizers
(phase-change **inks**)
IT **Inks**
(phase-change; phase-change **inks**)
IT 594-07-0D, Dithiocarbamic acid, molybdenum oxysulfide complex 7439-98-7D, Molybdenum, dithiocarbamate oxysulfide complex, uses 30947-30-9 37767-39-8, Tetrasodium N-(1,2-dicarboxyethyl)-N-octadecyl sulfosuccinamate 38916-42-6, Aerosol 22N
(antioxidant; phase-change **inks**)
IT 4314-14-1, Sudan Yellow 146 6368-72-5, Sudan Red 462 12237-22-8, Neozapon Black X51 17354-14-2, Sudan Blue 670
(colorant; phase-change **inks**)
IT 3147-75-9 10041-06-2 25973-55-1, 2-(2H-Benzotriazol-2-yl)-4,6-di-tert-pentylphenol 96478-09-0
(lightfastness agent; phase-change **inks**)
IT 54-95-5, 1,5-Pentamethylene tetrazole 67-51-6, 3,5-Dimethylpyrazole 95-14-7, 1H-Benzotriazole 136-85-6, 5-Methyl-1H-benzotriazole 288-13-1, Pyrazole 288-88-0, 1H-1,2,4-Triazole 530-62-1, 1,1'-Carbonyl diimidazole 584-13-4, 4-Amino-1,2,4-triazole 1572-10-7, 3-Amino-5-phenyl pyrazole 1614-12-6, 1-Amino benzotriazole 2075-45-8, 4-Bromo pyrazole 3398-16-1, 4-Bromo-3,5-dimethyl pyrazole 6160-65-2, 1,1'-Thiocarbonyl diimidazole 6994-25-8, Ethyl 3-amino-4-pyrazole carboxylate 7119-95-1, 1-Nitropyrazole 7189-69-7, 1,1'-Sulfonyl diimidazole 13183-79-4, 5-Mercapto-1-methyltetrazole 13808-64-5, 4-Bromo-3-methylpyrazole 14704-41-7, 3,5-Bis(trifluoromethyl)pyrazole 16078-71-0 16731-68-3, 2-Undecyl imidazole **23814-12-2**, Benzotriazole-5-carboxylic acid 28791-86-8 28791-87-9 33306-77-3 37622-90-5, Ethyl 4-pyrazolecarboxylate 70938-42-0, 1H-Benzotriazole-5-carboxaldehyde 71878-80-3 76674-99-2 93429-29-9 124316-00-3
(phase-change **inks**)
IT 59-98-3, 2-Benzyl-2-imidazoline 87-52-5, [3-(Dimethylamino methyl) indole] 96-50-4, 2-Aminothiazole 136-95-8, 2-Amino benzothiazole 534-26-9, 2-Methyl-2-imidazoline 936-49-2, 2-Phenyl-2-imidazoline

1072-83-9, 2-Acetyl pyrrole 1075-35-0, 5-Chloro-2-methylindole 1076-74-0, 5-Methoxy-2-methyl indole 3389-21-7, 3-(2-Bromoethyl)indole 5391-40-2, 1,3-Diacetyl-2-imidazolidinone 6025-60-1, 1-(2-Aminophenyl)pyrrole 7144-49-2, 2-(Methylsulfonyl) benzothiazole 7305-71-7, 2-Amino-5-methylthiazole 10045-45-1 10075-50-0, 5-Bromoindole 16200-50-3 16851-82-4, 1-(Phenylsulfonyl)pyrrole 20303-31-5 27323-28-0, Methylindole 40899-71-6, 1-(Phenylsulfonyl)indole 53266-94-7, Ethyl 2-amino-4-thiazole acetate 64415-14-1 64987-05-9 73955-61-0 80756-85-0, S-2-Benzothiazolyl 2-amino-α-(methoxyimino)-4-thiazolethioacetate 288576-57-8
(viscosity modifier; phase-change **inks**)

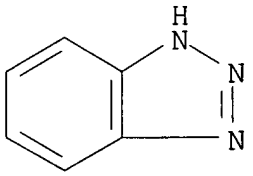
L29 ANSWER 8 OF 14 HCA COPYRIGHT 2007 ACS on STN
131:59541 Polyimide compositions useful for screen printing on copper substrates. Moroi, Nagahiro (Central Glass Co., Ltd., Japan). Jpn. Kokai Tokkyo Koho JP 11181281 A2 19990706 Heisei, 9 pp. (Japanese). CODEN: JKXXAF. APPLICATION: JP 1997-351531 19971219.

AB The title compns., with thixotropic index >1.5 and specific viscosity range, comprise polyimides [e.g., benzophenonetetracarboxylic dianhydride-1,3-bis(3-aminopropyl)-1,1,2,2-tetramethyldisiloxane-diamino siloxane-4-(3-aminophenoxy)phenyl sulfone-pyromellitic dianhydride copolymer] and additives of benzotriazole derivs. [e.g., 1H-benzotriazolecarboxylic acid, 1-(2,3-dihydroxypropyl)benzotriazole].

IT **60932-58-3**, 1H-Benzotriazolecarboxylic acid
(polyimide compns. useful for screen printing on copper substrates)

RN 60932-58-3 HCA

CN 1H-Benzotriazolecarboxylic acid (9CI) (CA INDEX NAME)



D1—CO_2H

IC ICM C08L079-08
ICS C08K005-3475; C09D179-08

CC 37-6 (Plastics Manufacture and Processing)
Section cross-reference(s): 42, 56

IT **Inks**
(silk-screen; polyimide compns. useful for screen printing on

copper substrates)

IT **60932-58-3**, 1H-Benzotriazolecarboxylic acid 123414-03-9, 1-(2,3-Dihydroxypropyl)benzotriazole
(polyimide compns. useful for screen printing on copper substrates)

L29 ANSWER 9 OF 14 HCA COPYRIGHT 2007 ACS on STN

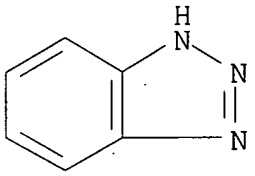
125:278836 Aqueous benzotriazole-containing **inks** for ball-point pens. Okumura, Shigeru; Suzuki, Susumu; Saito, Mizuho (Mitsubishi Pencil Co., Ltd., Japan). Jpn. Kokai Tokkyo Koho JP 08199107 A2 19960806 Heisei, 10 pp. (Japanese). CODEN: JKXXAF. APPLICATION: JP 1995-10551 19950126.

AB The noncorrosive **inks** contain carboxybenzotriazole (I), benzotriazole (II), colorants, and water and are used in ball-point pens having tubes contg. the **inks**, chip holders made from stainless steel, brass, and/or nickel silver, and superhard alloy balls. Thus, carbon black MA 100 8.0, glycerin 10.0, ethylene glycol 5.0, I 0.1, II 0.2, water 72.8%, and other additives were mixed for 3 h and dispersed for 5 h to give an **ink**, which was used in a pen having a Cr3C2 ball and a stainless steel holder and imparted no corrosion to the pen.

IT **60932-58-3**, 1H-Benzotriazolecarboxylic acid
(corrosion inhibitors; noncorrosive aq. benzotriazole-contg. **inks** for ball-point pens)

RN 60932-58-3 HCA

CN 1H-Benzotriazolecarboxylic acid (9CI) (CA INDEX NAME)



D1—CO_2H

IC ICM C09D011-18

CC 42-12 (Coatings, Inks, and Related Products)
Section cross-reference(s): 55, 56

ST corrosion inhibitor carboxybenzotriazole benzotriazole aq **ink**; stainless steel holder aq **ink**; water based **ink** ball point pen

IT Carbon black, uses
(colorants, Carbon Black MA 100; noncorrosive aq. benzotriazole-contg. **inks** for ball-point pens)

IT Corrosion inhibitors

(noncorrosive aq. benzotriazole-contg. **inks** for ball-point pens)

IT Pens
(ball point, noncorrosive aq. benzotriazole-contg. **inks** for ball-point pens)

IT **Inks**
(water-thinned, noncorrosive aq. benzotriazole-contg. **inks** for ball-point pens)

IT 12012-35-0, Trichromium dicarbide
(balls; noncorrosive aq. benzotriazole-contg. **inks** for ball-point pens)

IT 147-14-8, Chromofine Blue 4965 7518-68-5, C.I. Direct Black 19 17372-87-1, C.I. Acid Red 87
(colorants; noncorrosive aq. benzotriazole-contg. **inks** for ball-point pens)

IT 95-14-7, 1H-Benzotriazole **60932-58-3**, 1H-Benzotriazolecarboxylic acid
(corrosion inhibitors; noncorrosive aq. benzotriazole-contg. **inks** for ball-point pens)

IT 11068-66-9, Nickel silver 12597-68-1, Stainless steel, miscellaneous 12597-71-6, Brass, miscellaneous
(holders; noncorrosive aq. benzotriazole-contg. **inks** for ball-point pens)

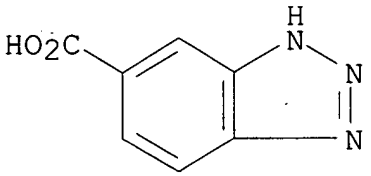
L29 ANSWER 10 OF 14 HCA COPYRIGHT 2007 ACS on STN
125:224775 Water-thinned **inks** containing carboxybenzotriazoles for ball-point pens with corrosion inhibition. Okumura, Shigeru; Suzuki, Susumu; Saito, Mizue (Mitsubishi Pencil Co., Ltd., Japan). Jpn. Kokai Tokkyo Koho JP 08176489 A2 19960709 Heisei, 10 pp. (Japanese). CODEN: JKXXAF. APPLICATION: JP 1994-323270 19941226.

AB Title **inks**, showing prevention of corrosion on ball-point pen tips, contain carboxybenzotriazoles (I), colorants, and water. The **inks** are used in ball-point pens having **ink** tubes, tip holders comprising stainless steel, brass, and/or nickel silver and hard alloy balls. Thus, an aq. black **ink** comprising MA 100 (carbon black), glycerin, ethylene glycol, styrene-acrylic acid copolymer ammonium salt, K oleate, triethanolamine, Proxel BDN (benzoisothiazolinone), and I was charged in a ball-point pen with stainless steel **ink** holder and Cr3C2-contg. hard alloy ball to show no corrosion on metals after 360 days at room temp.

IT **23814-12-2**, 1H-Benzotriazole-5-carboxylic acid
(aq. **inks** contg. carboxybenzotriazole corrosion inhibitors for ball-point pens)

RN 23814-12-2 HCA

CN 1H-Benzotriazole-5-carboxylic acid (8CI, 9CI) (CA INDEX NAME)



IC ICM C09D011-18
CC 42-12 (Coatings, Inks, and Related Products)
ST water thinned **ink** corrosion inhibitor; ball point pen aq **ink**; carboxybenzotriazole corrosion inhibitor aq **ink** ; stainless steel **ink** holder; hard alloy ball point pen
IT Corrosion inhibitors
Inks
(aq. **inks** contg. carboxybenzotriazole corrosion inhibitors for ball-point pens)
IT Pens
(ball point, aq. **inks** contg. carboxybenzotriazole corrosion inhibitors for ball-point pens)
IT **23814-12-2**, 1H-Benzotriazole-5-carboxylic acid 62972-61-6, 1H-Benzotriazole-4-carboxylic acid
(aq. **inks** contg. carboxybenzotriazole corrosion inhibitors for ball-point pens)
IT 11068-66-9, Nickel silver 12597-68-1, Stainless steel, miscellaneous 12597-71-6, Brass, miscellaneous
(**ink** holder; aq. **inks** contg. carboxybenzotriazole corrosion inhibitors for ball-point pens)

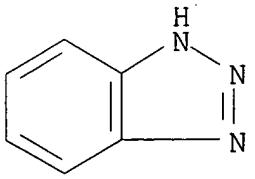
L29 ANSWER 11 OF 14 HCA COPYRIGHT 2007 ACS on STN
111:101468 Corrosion inhibition of brass and bronze in organic solvent containing an unsaturated fatty acid. Notoya, Takenori (Coll. Eng., Hokkaido Univ., Sapporo, Japan). Shindo Gijutsu Kenkyu Kaishi, 26, 144-50 (Japanese) 1987. CODEN: SGKEBX. ISSN: 0370-985X.
AB To improve the performance and extend the service life of ball-point pens by preventing the formation of **ink**-blocking corrosion products, screening tests of suitable org. inhibitors as **ink** additives were conducted to decrease corrosion of Cu ball-point-pen tip alloys in a simulated solvent in the presence of inhibitors. Effectiveness of the inhibitors was evaluated by using visual observation of immersed brass and bronze surfaces and 30-wt. loss measurements in a 4:1 mixt. of benzyl alc. and oleic acid contg. inhibitors under stagnant conditions at 60°s. The inhibitors tested were benzotriazole, 3 benzotriazole derivs., 2 benzimidazoles, mercaptobenzothiazole, Ph thiourea, dimercaptothiadiazole, and dimethyldithiocarbamic acid. Benzotriazole, its methy- and carboxylic-derivs., and dimercaptothiadiazole were effective for brass and bronze in

preventing dissoln. and formation of clogging corrosion products from metallic soap in the solvents.

IT **60932-58-3**, 1H-Benzotriazolecarboxylic acid
(corrosion inhibitor, for brass and bronze in org. solvent contg. oleic acid)

RN 60932-58-3 HCA

CN 1H-Benzotriazolecarboxylic acid (9CI) (CA INDEX NAME)



D1—CO_2H

CC 56-10 (Nonferrous Metals and Alloys)

IT Pens
(ball point, corrosion inhibitors in **ink** for tips of, for clogging prevention)

IT 95-14-7, 1,2,3-Benzotriazole 103-85-5, 1-Phenyl-2-thiourea 128-04-1, Dimethyldithiocarbamic acid sodium salt 148-79-8, 2-(4-Thiazolyl)benzimidazole 149-30-4, 2-Mercaptobenzothiazole 583-39-1, 2-Mercaptobenzimidazole 1072-71-5, 2,5-Dimercaptothiadiazole 2592-95-2, 1-Hydroxybenzotriazole 29385-43-1, Tolyltriazole **60932-58-3**, 1H-Benzotriazolecarboxylic acid
(corrosion inhibitor, for brass and bronze in org. solvent contg. oleic acid)

L29 ANSWER 12 OF 14 HCA COPYRIGHT 2007 ACS on STN

110:43167 Corrosion prevention of copper alloys in ball-point pen. Notoya, Takenori (Fac. Eng., Hokkaido Univ., Sapporo, 060, Japan). Hokkaido Daigaku Kogakubu Kenkyu Hokoku (142), 1-10 (Japanese) 1988. CODEN: HDKKAA. ISSN: 0385-602X.

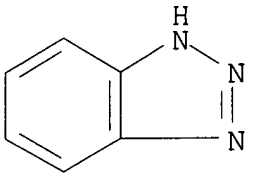
AB Detachment of surface oxide film, deposition of insol. corrosion products, heterogeneous dissoln., microcracks, and dezincification were obsd. on the **ink**-path surface of Cu alloy ball-point pen tips with poor writing performance. Test specimens (2.7 diam. and 30 mm long) of German silver, 60/40 brass, and bronze for the tips were immersed in 5 mL of a 4:1 mixt. of benzyl alc. and oleic acid contg. 5-10 mg org. corrosion inhibitors for 30 days at 60°. The anticorrosive effect of inhibitors was evaluated by corrosion wt. loss and visual observation. Benzotriazole, tolyltriazole, 2,5-dimercaptothiadiazole, and benzotriazole

carboxylic acid were effective for all the alloys, whereas 1-hydroxybenzotriazole, 2-mercaptobenzothiazole, 1-phenyl-2-thiourea, and 2-mercaptobenzimidazole were ineffective for the alloys. 2-(4-Thiazolyl)benzimidazole was effective for bronze, but accelerated the corrosion for German silver and brass.

IT **60932-58-3**, 1H-Benzotriazolecarboxylic acid
(corrosion inhibitor, for ball point pens)

RN 60932-58-3 HCA

CN 1H-Benzotriazolecarboxylic acid (9CI) (CA INDEX NAME)



D1—CO_2H

CC 56-10 (Nonferrous Metals and Alloys)
Section cross-reference(s): 42

ST ball pen point corrosion inhibitor; **ink** ball pen point corrosion; bronze ball pen corrosion inhibitor; brass ball pen corrosion inhibitor; nickel silver pen corrosion inhibitor

IT Pens
(**ink**, corrosion of ball point by, inhibitor of)

IT 95-14-7, Benzotriazole 148-79-8, 2-(4-Thiazolyl)benzimidazole 1072-71-5, 2,5-Dimercaptothiadiazole 29385-43-1, Tolyltriazole **60932-58-3**, 1H-Benzotriazolecarboxylic acid
(corrosion inhibitor, for ball point pens)

L29 ANSWER 13 OF 14 HCA COPYRIGHT 2007 ACS on STN

103:162973 Rapid chromatographic determination of benzotriazoles in **automotive** cooling waters and cooling water formulations. Patsalides, Emilios; Robards, Kevin (Dep. Inorg. Chem., Univ. Sydney, Sydney, 2006, Australia). Journal of Chromatography, 331(1), 149-60 (English) 1985. CODEN: JOCRAM. ISSN: 0021-9673.

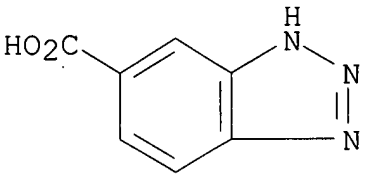
AB The chromatog. behavior of benzotriazole [95-14-7] (antioxidant) and several of its derivs. on gas chromatog. (GC) fused-silica wall-coated open-tubular columns and reversed-phase liq. chromatog. (LC) columns is reported. Although severe tailing and irreversible retention were obsd. on the polar GC columns, considerably improved behavior was obtained on nonpolar OV-101 and moderate polarity BP-10 columns, with detection limits (flame ionization detection) in the n-g range. Of the reversed-phase LC columns, Spherisorb 5 C8 was the most suitable, producing little or no tailing. Detection limits

on this column with UV detection at 254 nm were also in the n-g range. An LC method for detg. benzotriazoles in both **automotive** cooling waters and aq. coolants involving only diln. of the sample prior to anal. is described.

IT **23814-12-2**
(corrosion inhibitors, of **automotive** coolants, chromatog. of)

RN 23814-12-2 HCA

CN 1H-Benzotriazole-5-carboxylic acid (8CI, 9CI) (CA INDEX NAME)



CC 51-8 (Fossil Fuels, Derivatives, and Related Products)
Section cross-reference(s): 80

ST **automobile** antifreeze benzotriazole chromatog

IT 95-14-7
(corrosion inhibitors, in **automotive** coolants, chromatog. of)

IT 94-97-3 1548-67-0 2338-12-7 **23814-12-2** 29385-43-1 34374-67-9
(corrosion inhibitors, of **automotive** coolants, chromatog. of)

L29 ANSWER 14 OF 14 HCA COPYRIGHT 2007 ACS on STN

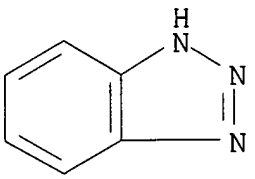
92:167513 Corrosion inhibiting composition for ferrous metals. Scheurman, Clarence, III (Zimmite Corp., USA). U.S. US 4184991 19800122, 5 pp. (English). CODEN: USXXAM. APPLICATION: US 1978-886146 19780313.

AB A corrosion inhibition system for ferrous alloys consists of a mixt. contg. benzotriazole, tolyltriazole, or a substituted benzotriazole in an aq. **vehicle**, and a water sol. polymer of lower alkyl esters of org. acids such as acrylic and methacrylic acids. The benzotriazole concn. is 2-20 ppm, and the ratio of the org. compd. and the polymer is 0.5:1 to 3:1 by wt. Thus, the corrosion rate of a mild steel coupon was decreased from 28.1 to 4.0 mil/yr by adding 5 ppm tolyltriazole to a soln. of 2 ppm polymethacrylate.

IT **60932-58-3**
(ferrous metal corrosion inhibitor contg.)

RN 60932-58-3 HCA

CN 1H-Benzotriazolecarboxylic acid (9CI) (CA INDEX NAME)



D1—CO_2H

IC C08K005-29
INCL 260029600MN
CC 55-10 (Ferrous Metals and Alloys)
IT 25087-26-7 29385-43-1 **60932-58-3** 73451-04-4
(ferrous metal corrosion inhibitor contg.)

=> D L30 1-29 TI

L30 ANSWER 1 OF 9 HCA COPYRIGHT 2007 ACS on STN
TI Perfluoropolyether benzotriazole compounds for anti-soiling coatings

L30 ANSWER 2 OF 9 HCA COPYRIGHT 2007 ACS on STN
TI Silver halide photographic material containing nucleating agent and nucleation accelerator and its processing method

L30 ANSWER 3 OF 9 HCA COPYRIGHT 2007 ACS on STN
TI Fluorine-containing polyoxyalkylene and its use in organic material and photographic material

L30 ANSWER 4 OF 9 HCA COPYRIGHT 2007 ACS on STN
TI Silver halide photographic material giving high contrast image and processing thereof

L30 ANSWER 5 OF 9 HCA COPYRIGHT 2007 ACS on STN
TI Method for rapid photographic processing with maintained color balance using diffusible photochemical compound

L30 ANSWER 6 OF 9 HCA COPYRIGHT 2007 ACS on STN
TI Preparation of positive-working photoresist

L30 ANSWER 7 OF 9 HCA COPYRIGHT 2007 ACS on STN
TI Synthesis and structure of ferrocenylalkyl onium derivatives of nitrogen-containing heterocyclic compounds

L30 ANSWER 8 OF 9 HCA COPYRIGHT 2007 ACS on STN
TI Method for processing silver halide photographic material

L30 ANSWER 9 OF 9 HCA COPYRIGHT 2007 ACS on STN
TI Polyoxyalkylene polyamine triazole complexes

=> D L31 1-64 TI

L31 ANSWER 1 OF 64 HCA COPYRIGHT 2007 ACS on STN
TI Efficient Microwave Access to Polysubstituted Amidines from Imidoylbenzotriazoles

L31 ANSWER 2 OF 64 HCA COPYRIGHT 2007 ACS on STN
TI A convenient access to 1-substituted 2-azinyl-1-ethanones via acylation of alkylated azines with N-acylbenzotriazoles

L31 ANSWER 3 OF 64 HCA COPYRIGHT 2007 ACS on STN
TI A convenient access to 1-substituted 2-azinyl-1-ethanones via acylation of alkylated azines with N-acylbenzotriazoles

L31 ANSWER 4 OF 64 HCA COPYRIGHT 2007 ACS on STN
TI Manufacture of unsaturated fatty acids-modified insulin for treating diabetes

L31 ANSWER 5 OF 64 HCA COPYRIGHT 2007 ACS on STN
TI 2-(1H-Benzo-1,2,3-triazol-1-yl)-4,4-dimethyl-3-oxo-N-phenylpentanethioamide monohydrate

L31 ANSWER 6 OF 64 HCA COPYRIGHT 2007 ACS on STN
TI Facile syntheses of 2,2-dimethyl-6-(2-oxoalkyl)-1,3-dioxin-4-ones and the Corresponding 6-substituted 4-hydroxy-2-pyrones

L31 ANSWER 7 OF 64 HCA COPYRIGHT 2007 ACS on STN
TI Highly enantioselective catalytic conjugate addition of N-heterocycles to α,β-unsaturated ketones and imides

L31 ANSWER 8 OF 64 HCA COPYRIGHT 2007 ACS on STN
TI Process for preparation of oxetan-2-ones

L31 ANSWER 9 OF 64 HCA COPYRIGHT 2007 ACS on STN
TI Novel syntheses of pyrido[1,2-a]pyrimidin-2-ones, 2H-quinolizin-2-ones, pyrido[1,2-a]quinolin-3-ones, and thiazolo[3,2-a]pyrimidin-7-ones

L31 ANSWER 10 OF 64 HCA COPYRIGHT 2007 ACS on STN
TI Preparation of β-keto esters and β-diketones by

C-acylation/deacetylation of acetoacetic esters and acetonyl ketones with 1-acylbenzotriazoles

L31 ANSWER 11 OF 64 HCA COPYRIGHT 2007 ACS on STN
TI The Synthesis of α-Benzotriazolyl Ketones from Acid Halides

L31 ANSWER 12 OF 64 HCA COPYRIGHT 2007 ACS on STN
TI The preparation of N-acylbenzotriazoles from aldehydes

L31 ANSWER 13 OF 64 HCA COPYRIGHT 2007 ACS on STN
TI General and Efficient Insertion of Carbons Carrying Benzotriazole

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TI Efficient conversion of carboxylic acids into N-acylbenzotriazoles

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TI Pharmaceutical compositions and uses of GLP-1 mimetics for the treatment of diabetes

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TI Lipodepsipeptide antibiotics and methods of preparation

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TI [125I], [127I]-and [14C]-labelling of the GLP-1-(7-37) derivative NN2211

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TI Samarium diiodide promoted formation of 1,2-diketones and 1-acylamido-2-substituted benzimidazoles from N-acylbenzotriazoles

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TI The synthesis of 2,3,5-trisubstituted phenols

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TI Regiocontrol in the α,α-dialkylation of ketones

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TI Solid-phase preparation of amides using N-acylbenzotriazoles

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TI Formation of 1,2-diketones by samarium diiodide promoted reaction of N-acylbenzotriazoles

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TI 1,2- vs 1,4-Addition of Acylbenzotriazoles to α,β-Unsaturated Aldehydes and Ketones. A Novel Route to 3-Alkyl-4,6-diaryl-3,4-dihydropyran-2-ones

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TI Regiospecific Synthesis of 4-(2-Oxoalkyl)pyridines

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TI Preparation of lipophilic human glucagon-like peptide-1 derivatives with protracted action profiles

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TI One-Carbon Homologation of Carboxylic Acids via BtCH2TMS: A Safe Alternative to the Arndt-Eistert Reaction

L31 ANSWER 27 OF 64 HCA COPYRIGHT 2007 ACS on STN
TI Preparation of lipophilic human glucagon-like peptide-1 derivatives with protracted action profiles

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TI The X-ray structures of HOBt-based immonium-type coupling reagents and the rearrangement of benzotriazolyl esters of Nα-protected amino acids or peptides: N- vs. O-substituted forms

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TI From Amides to Amidines: Preparations of Imidoylbenzotriazoles and Arylaminoheterocycles

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TI BtCH2TMS-Assisted Homologation of Carboxylic Acids: A Safe Alternative to the Arndt-Eistert Reaction

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TI Polycyclic Heteroaromatics from Reactions of Acylbenzotriazoles with Aryl Isocyanates

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TI Method for acylating peptides and novel acylating agents

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TI Synthesis of β-Dicarbonyl Compounds Using 1-Acylbenzotriazoles as Regioselective C-Acylating Reagents

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TI Preparation of GLP-1 analogs for treatment of obesity and non-insulin dependent diabetes mellitus

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TI GLP-1 derivatives with helix-content exceeding 25 %, forming partially structured micellar-like aggregates

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TI Synthesis of enantiomerically pure β-lactones by the tandem aldol-lactonization. A highly efficient access to (3S,4S)-3-hexyl-4-[(2S)-2-hydroxytridecyl]oxetan-2-one, the key intermediate for the enzyme inhibitors tetrahydrolipstatin and tetrahydroesterastin

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TI Preparation of 4-(hydroxyalkyl)oxetan-2-ones.

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TI Novel Synthesis of α-Benzotriazolyl-substituted Ketones

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TI Selective side chain acylation of lysine-containing peptides with activated amides

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TI A Novel Transformation of Esters to Alkynes with 1-Substituted Benzotriazoles

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TI Syntheses of β-lactones. Part 6. One-step synthesis of β-lactones by aldolization of ketones or aldehydes with 1-acylbenzotriazoles

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TI Cyclic hexapeptides having antibiotic activity

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TI Preparation of benzotriazole derivatives as intermediates for yellow couplers

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TI N-(α-Ethoxyallyl)benzotriazole: A Novel Propenoyl Anion Synthon Route to Vinyl Ketones

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TI Synthesis and fungicidal activity of some silicon-containing azole compounds

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TI The reaction of a benzotriazole substituted vinamidinium salt with Grignard reagents

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TI The reactions of benzotriazole with unsaturated aldehydes and ketones in the presence or absence of amines

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TI Mannich reactions of carbonyl compounds and enamines with benzotriazole as the NH component

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TI The effect of molecular structure of nitrogen-containing heterocyclic compounds on their wear properties

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TI Pharmaceutical composition against Pneumocystis carinii

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TI N-(1-benzotriazol-1-ylalkyl)amides, versatile α-amidoalkylation reagents. 1. α-Amidoalkylation of CH acids

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TI The chemistry of N-substituted benzotriazoles. Part 22. Transformations of 1-(trimethylsilylmethyl)benzotriazole

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TI Manufacture of corrosion inhibitors for metals

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TI Rearrangement of unsaturated acylhydroxybenzotriazoles

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TI Organic rust inhibitors

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TI Heteropentalenes. The oxidation of pyrazolo[1,2-a]benzotriazoles

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TI Benzotriazoles and their use as drugs

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TI Mechanism of the action of N-acylbenzotriazoles as oil-soluble corrosion inhibitors

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TI Benzotriazol derivatives

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TI Insecticidal, acaricidal, and nematocidal oxime carbamates

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TI Lubricating oils containing oil-soluble benzotriazole derivatives

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TI Synthesis and antiinflammatory activity of aliphatically substituted

benzotriazoles

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TI N-Acylbenzotriazoles as corrosion inhibitors

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TI Studies on Unsaturated Acids. VI. On Tolimidazoles from Fatty Acids